

# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

*Name of Work: Improvements and Construction of CC Roads and Drainage Works  
Bhuvaneshwari nagara 1st Main 1st, 2nd, 3rd & 4th cross Muneshwara Badavane  
Shivaraj house in Back side of Market in Dasarahalli ward No:15*

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Est. Cost Rs       |        |      |      | 40.00  | Lakhs  |          |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--------|------|------|--------|--------|----------|
| Sl | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit   | No                 | L      | B    | D    | Qty    | Rate   | Amount   |
| 1  | KSRB-2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) 2.3.5 Page No. 5/ Item No. 2.4/ |        |                    |        |      |      |        |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cum    | 3                  | 27.50  | 0.90 | 0.30 | 22.28  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 1                  | 32.00  | 0.90 | 0.30 | 8.64   |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 1                  | 25.00  | 0.90 | 0.30 | 6.75   |        |          |
|    | Muneshwara Layout                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        | 1                  | 30.00  | 1.05 | 0.90 | 28.35  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 1                  | 85.00  | 0.90 | 0.30 | 22.95  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 1                  | 60.00  | 0.90 | 0.30 | 16.20  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 1                  | 60.00  | 1.80 | 0.30 | 32.40  |        |          |
|    | 5th&6th cross Coconut Garden                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 2                  | 55.00  | 0.90 | 0.30 | 29.70  |        |          |
|    | MTS Colony                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | 1                  | 189.00 | 0.90 | 0.30 | 51.03  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                    |        |      |      | 218.30 | 288.36 | 62948.00 |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 267.00 |                    |        |      |      |        |        |          |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 21.36  |                    |        |      |      |        |        |          |
|    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 288.36 |                    |        |      |      |        |        |          |
| 2  | Removing B.S.Slab of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2015-16                                                                                                                                                                                                                                                                                                                                                                                             |        |                    |        |      |      |        |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sqm    | 1                  | 30.00  | 0.90 |      | 27.00  |        |          |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 59.00  |                    |        |      |      | 27.00  | 63.72  | 1720.00  |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.72   |                    |        |      |      |        |        |          |
|    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 63.72  |                    |        |      |      |        |        |          |
| 3  | Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2015-16                                                                                                                                                                                                                                                                                                                                                                                  |        |                    |        |      |      |        |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sqm    | Qty Vide Item No 2 |        |      |      | 27.00  |        |          |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 60%                |        |      |      | 16.20  | 78.84  | 1277.00  |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 73.00  |                    |        |      |      |        |        |          |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.84   |                    |        |      |      |        |        |          |
|    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 78.84  |                    |        |      |      |        |        |          |

5

| Sl | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit           | No | L      | B    | D    | Qty    | Rate    | Amount     |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|--------|------|------|--------|---------|------------|
| 4  | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2015-16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |    |        |      |      |        |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cum            | 3  | 27.50  | 0.90 | 0.15 | 11.14  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 32.00  | 0.90 | 0.15 | 4.32   |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 25.00  | 0.90 | 0.15 | 3.38   |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 30.00  | 1.05 | 0.15 | 4.73   |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 85.00  | 0.90 | 0.15 | 11.48  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 60.00  | 0.90 | 0.15 | 8.10   |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 60.00  | 1.80 | 0.15 | 16.20  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 2  | 55.00  | 0.90 | 0.15 | 14.85  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 189.00 | 0.90 | 0.15 | 25.52  |         |            |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4695.00        |    |        |      |      | 99.70  | 5070.60 | 505526.00  |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 375.60         |    |        |      |      |        |         |            |
|    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5070.60        |    |        |      |      |        |         |            |
| 5  | KSRRB M600-2. Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement design mix M30 at 360 kg per cum, with 25mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates @ 0.46 cum with superplastizer at 3lts conforming to IS 9103-1999 reaffirmed 2008. coarse and fine aggregate conforming to IS:383, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing, compound, finishing to lines and grades as per drawing complete as per specifications.(Page No: 173, itNo: 22.2.1) |                |    |        |      |      |        |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del>Cum</del> | 3  | 27.50  | 4.20 | 0.15 | 51.98  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 32.00  | 3.80 | 0.15 | 18.24  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 25.00  | 5.50 | 0.15 | 20.63  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 85.00  | 3.30 | 0.15 | 42.08  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 60.00  | 3.00 | 0.15 | 27.00  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 60.00  | 1.80 | 0.15 | 16.20  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 2  | 55.00  | 4.00 | 0.15 | 66.00  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | 1  | 189.00 | 3.40 | 0.15 | 96.39  |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |    |        |      |      | 338.51 | 6943.32 | 2350349.00 |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6429.00        |    |        |      |      |        |         |            |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 514.32         |    |        |      |      |        |         |            |
|    | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6943.32        |    |        |      |      |        |         |            |
| 6  | KSRB-4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.43cum, with superplastiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost all materials, labour, HOM of machinery, curing complete as per specifications.(Page No: 1, it:4.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |    |        |      |      |        |         |            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del>Cum</del> | 2  | 30.00  | 0.15 | 0.75 | 6.75   |         |            |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5548.00        |    |        |      |      | 6.75   | 5991.84 | 40445.00   |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 443.84         |    |        |      |      |        |         |            |

| Sl | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit            | No  | L      | B    | D     | Qty      | Rate     | Amount    |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|--------|------|-------|----------|----------|-----------|
|    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>5991.84</b>  |     |        |      |       |          |          |           |
| 7  | KSRRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications.(Page No: 15, itno: 4.30)                                                                                                                                     |                 |     |        |      |       |          |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sqm             | 2x2 | 30.00  |      | 0.90  | 108.00   |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |     |        |      |       | 108.00   | 403.92   | 43623.00  |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 374.00          |     |        |      |       |          |          |           |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                      | 29.92           |     |        |      |       |          |          |           |
|    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>403.92</b>   |     |        |      |       |          |          |           |
| 8  | KSRRB 4.9.2: Providing T.M.T. steel reinforcement for R.C.C. work including straightening cutting, bending, hooking, placing in position, lapping and (or welding wherever required, trying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page-17, itNo: 4.46.3) |                 |     |        |      |       |          |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Kgs             | 1   | 338.51 |      | 35.00 | 11847.68 |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | 1   | 6.750  |      | 50.00 | 337.50   |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tonne           |     |        |      |       | 12185.18 |          |           |
|    | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 65287.00        |     |        |      | Say   | 12.19    | 70509.96 | 859176.00 |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5222.96         |     |        |      |       |          |          |           |
|    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>70509.96</b> |     |        |      |       |          |          |           |
| 9  | Supplying and fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as pwe design and drawing materials cost, tranportion hire charges of machinery, machine cutting the verticale face to get plain even surface etc. Complete with all leads and lift convetyenc charges labour charges inclusive cost of all materials                                                                                                     |                 |     |        |      |       |          |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sqm             | 1   | 30.00  | 1.20 |       | 36.00    |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ADR             |     |        |      |       | 36.00    | 1600.00  | 57600.00  |
| 10 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading (Page 136 table ) Page No. 133 Item No. 17.1 PWD SR 2015-16                                                            |                 |     |        |      |       |          |          |           |
|    | Qty vide itNo:1                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cum             |     |        |      |       | 218.30   | 78.24    | 17078.00  |
|    | Loding and unloding charges                                                                                                                                                                                                                                                                                                                                                                                                                                | 62.20           |     |        |      |       |          |          |           |
|    | Lead 4kms 2x1.28x4                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10.24           |     |        |      |       |          |          |           |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 72.44           |     |        |      |       |          |          |           |
|    | Add Area Weightage 8%                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5.80            |     |        |      |       |          |          |           |
|    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>78.24</b>    |     |        |      |       |          |          |           |

| Sl | Description of Item                  | Unit | No | L | B | D | Qty | Rate  | Amount     |
|----|--------------------------------------|------|----|---|---|---|-----|-------|------------|
| 11 | QC & Other Charges                   |      |    |   |   |   |     |       |            |
| 12 | Miscellaneous and Unforeseen Charges |      |    |   |   |   |     |       | 60000.00   |
|    |                                      |      |    |   |   |   |     |       | 258.00     |
|    |                                      |      |    |   |   |   |     | Total | 4000000.00 |

(Rupees. Forty Lakhs Only)

**CERTIFICATE:-**

- 1 The Work spot has been inspected and the work is found to be necessary
- 2 The Estimate is prepared as per the PW, P & IWTD -SR-2015-16
- 3 The Provision made in estimate are adequate and essential.
- 4 This area comes under BBMP limits.

*[Signature]*  
Assistant Engineer  
Ward-15

*[Signature]*  
Assistant Executive Engineer  
T. Dasarahalli Sub-Division  
B.B.M.P

*[Signature]*  
Executive Engineer  
Dasarahalli Division  
B.B.M.P. Bangalore.

*A/S*

ನಂ. AC(DH) AS/16/2016-17 ದಿನಾಂಕ: 12/05/16

ರೂ. 40.00 Lakhs (Rupees forty Lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆದಳತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

Page No. 43

Sl. No. 16

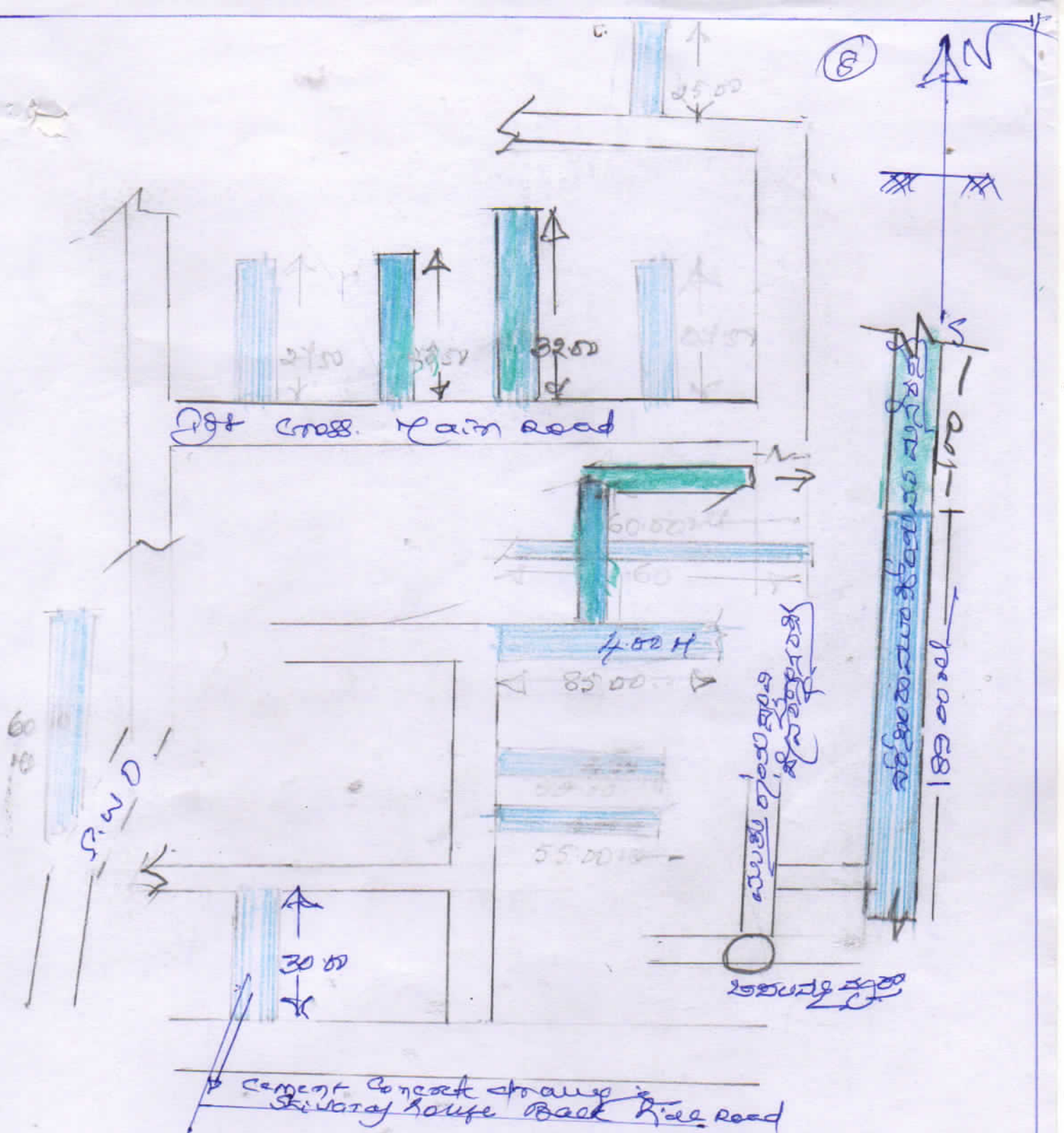
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ  
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. CE/D2/RS/26/16-17 ದಿನಾಂಕ: 25-05-2016

ರೂ. 40.00 Lakhs (Rupees forty Lakhs)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಆಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.  
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.



25.00 m. kerbside - Cross section R.R.C. concrete T.M.P. steel.

Name of works:- Improvements & construction of C.C. Road & drainage work  
 Bhubaneswar nagara 1st 2nd 3rd & 4th  
 cross main kerb side drainage skirting.  
 Haaga back side of market in  
 Dasabahal road No 15

ಕಾರ್ಯದ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು  
 ಬಿ.ದಾಸರಾಜ್, ಅಪ-ಎಫ್  
 ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ  
 ಬೆಂಗಳೂರು